# Fall 2013 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including USACE Erosion Survey

### Sacramento River Basin

MA0012 Sutter Maintenance Yard Maintenance	Overall LMA Rating	Total LMA Miles							
Area 0012	Α	11.31							
Rated Item		Maintena	nce Deficiancy		Enforc	Enforcement		Design & System Obsolescence	
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Encroachments					1.16				
Animal Control	0.02		0.02	0.18%					
Slope Stability	0.01		0.01	0.09%					
Supplemental									
USACE Erosion Survey	0.01		0.01	0.09%					
DWR UCIP Field Study					0.33	0.05			
LMA Totals:	0.04	0.00	0.04	0.35%	1.49	0.05	0.00	0.00	

## **LMA District Cover Sheet**

### Fall 2013 Levee Inspection Results

# **Sutter Maintenance Yard Maintenance Area 0012**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)					
* Overall LMA Rating (Fall Only)			A						
	** Non-receipt of Su	ımmer or Winter Inspe	ection Reports may effec	ct overall annual rating.					
* <u>SPRING INSPECTIONS:</u> Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.									
FALL INSPECTIONS: The overall maintena within the attached u			ion and maintenance de ended to be an indiction o						
Comments									

### **Unit Cover Sheet**

### Fall 2013 Levee Inspection Results

### **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles
Unit No. 01 Colusa Drain	Left	11.31

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			Α	
Date of Inspection	03/12/2013 - 03/12/2013		09/24/2013 - 09/24/2013	
DWR Inspector	Bob Duffey		Bob Duffey	
Accompanied By	Bryan Reniff Sutter Maintenance Yard		Bryan Reniff Sutter Maintenance Yard	

#### Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

### http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

										,
LMR	Levee		Category	Item	Location	Rating	Action/Comment		de/Longitude	No.
N <sub>0</sub>	Start	End	Earthen Levee	Emergency Supplies & Equipment	LS			Start °	End °	
2			Earthen Levee	Operations & Maintenance Manuals	LS	A Ma		0	A0012_01_s _ 2013 o o A0012_01_s _ 2013	13
3			Earthen Levee	Flood Preparedness & Training	LS	A Ma		0	o o o IA0012_01_s _ 2013	14
4	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:10604 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 10/11/2012	39.035889 ° -121.996882 °		
5	0.24	0.24	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15910 EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify proper abandonment of pipe.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: *Abandoned* 14-inch pipe through levee, 3.0 feet below crown. Open on waterward end. 3-foot x 6-foot concrete well on waterward berm. Siphon breaker in 24-inch pipe riser on landward shoulder. 36-inch concrete standpipe on landward berm. (Permit No. 9381 - Tribble). Originally included in O+M Manual (1959). Asbuilt available 50-4-3081. (The only item identified is the 36-inch standpipe on the LS toe). FS Date: 7/17/2013 7:54:05 AM	39.035889 ° -121.996882 °	AA0012_01_f _ 2013_ 39.035889 ° -121.996882 °	15 Y

\* Location
LS: Land Side
WS: Water Side
CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

## Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

	Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No	. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee Mile Start End Category Item	* taiin + Action/Commer	nt		GPS Latitude/L	Longitude Issue No. End Photo
6 0.24 0.24 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:10603  En EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify prop pipe. FIELD_STRUCT_DESC: *Abandone through levee, 3.0 feet below crown. end. 3-foot x 6-foot concrete well on v Siphon breaker in 24-inch pipe riser of 36-inch concrete standpipe on landwork No. 9381 - Tribble). Originally include (1959). Asbuilt available 50-4-3081. ( identified is the 36-inch standpipe on FS Date: 10/11/2012	d* 14-inch p Open on wa vaterward b in landward ard berm. (I ed in O+M I The only ite	iment of pipe sterward perm. shoulder. Permit Manual	39.035889° 3:-121.996882° -12	9.035889 ° 16 1.996882 °
	F3 Date: 10/11/2012			DWR ID: DWR_MA001	2_01_f _ 2013_16
7 0.24 0.24 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7345  En EP_NO: 9381 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to verify prop pipe. FIELD_STRUCT_DESC: *Abandoned through levee, 3.0 feet below crown. end. 3-foot x 6-foot concrete well on v Siphon breaker in 24-inch pipe riser of 36-inch concrete standpipe on landwo No. 9381 - Tribble). Originally include (1959). Asbuilt available 50-4-3081. ( identified is the 36-inch standpipe on FS Date: 10/11/2012	d* 14-inch p Open on wa vaterward b In landward ard berm. (I ed in O+M I The only ite	iment of lipe sterward perm. shoulder. Permit Manual	39.035889° 3:-121.996882° -12	9.035889 ° 17 1.996882 °
				DWR ID: DWR_MA001	2_01_f _ 2013_17
8 0.50 0.50 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:15912 En EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is partially fille soil.7/16/2013 Sediment is built up a preventing it from opening. FIELD_STRUCT_DESC: 24-inch CM levee, 13.0 feet below the crown. Flat headwall and grouted cobble spillway Concrete headwall on landward side. Baber). Originally included in O+M m Asbuilt available 50-4-3081. FS Date: 7/17/2013 8:03:14 AM	drain pipe o gate, cond on waterwa (Permit No	flapgate through crete ard side. . 9382	39.039413° 3: -121.997766° -12	9.039413° 18 1.997766° Y
	. 5 25.5 25 . 5 . 5 . 7 . 7 . 11			DWR ID: DWR_MA001	2_01_f _ 2013_18

## Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspect	or
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey	/
Levee Mile   Category   Item   Start   End   Category   Action/Comment	Action/Comment				
9 0.50 0.50 Supplemental DWR UCIP Field Study  Field Study  Supplemental DWR UCIP Field Study  By En Supplemental DWR UCIP Field Study  En Supplem	drain pipe gate, cond on waterwa (Permit No	through crete ard side. . 9382	39.039413 ° 3 121.997766 ° -12	99.039413° 11.997766°	19
Outlet blocked with soil and the flap of close.7/16/2013 Same as last inspect flapgate is closed before highwater so FIELD_STRUCT_DESC: 24-inch CM the levee, 13.0 feet below crown. Flath headwall and grouted cobble spillway Concrete headwall on landward side.	1.73 Supplemental DWR UCIP Field Study  En EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS filled partially with soil. Outlet blocked with soil and the flap gate wont close.7/16/2013 Same as last inspection. Make sure flapgate is closed before highwater season. FIELD_STRUCT_DESC: 24-inch CM drain pipe through the levee, 13.0 feet below crown. Flap gate, concrete headwall and grouted cobble spillway on waterward side. Concrete headwall on landward side. (Permit No. 9382 Baber). Originally included in O+M manual (1959).				
11 1.73 1.73 Supplemental DWR UCIP Field Study  LS M Inspector Comments: FS_ID:7341 EP_NO: 9382 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet on LS filled pa Outlet blocked with soil and the flap of FIELD_STRUCT_DESC: 24-inch CM the levee, 13.0 feet below crown. Flat headwall and grouted cobble spillway Concrete headwall on landward side. Baber). Originally included in O+M m FS Date: 10/11/2012	ate wont cl drain pipe gate, cond on waterwa (Permit No	soil. ose. through crete ard side. . 9382	39.055711 ° 3.122.003252 ° -12		21

## Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

Waterwa		Bank	Unit Miles	Inspection Start/End	Inspecto	or
Unit No. 01 Col	ısa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey	′
Levee Mile   Category   Item   Contact   Category   Item   Category   Categ	Action/Comment			GPS Latitude/L	Longitude	No. Photo
12 1.81 1.81 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:15919 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be loca gate partially blocked and will not close completely.7/16/2013 Same as last ins told inlet is about 1/4 mile down road wa Will try to get coordinates for inlet. FIELD_STRUCT_DESC: 48-inch drain plevee 20.0 feet below crown. Slide gate riser on waterward slope. Flap gate and on waterward side. (Permit No. 9387 - C Originally included in O+M manual (195 FS Date: 7/17/2013 8:17:53 AM	pection. The pection of the pection	S. Flap Was house.  Igh the pipe headwall	39.056847 ° 3.122.003288 ° -12.	9.056847° 2.003288°	22 Y
	1 0 50.0. 1717/2010 0.17.007			DWR ID: DWR_MA001	2_01_f _ 2013_2	2
13 1.81 1.81 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:7337 EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be loca gate partially blocked and will not close FIELD_STRUCT_DESC: 48-inch drain   levee 20.0 feet below crown. Slide gate riser on waterward slope. Flap gate and on waterward side. (Permit No. 9387 - C Originally included in O+M manual (195 FS Date: 10/11/2012	complete pipe throu in 60-inch concrete Christenso	S. Flap ly. gh the n pipe headwall	39.056847 ° 3 .122.003288 ° -12.	9.056847° 2.003288°	23
				DWR ID: DWR_MA001	2_01_f _ 2013_2	3
14 1.81 1.81 Supplemental DWR UCIP LS Field Study	M Inspector Comments: FS_ID:7338 En EP_NO: 9387 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No inlet could be loca gate partially blocked and will not close FIELD_STRUCT_DESC: 48-inch drain   levee 20.0 feet below crown. Slide gate riser on waterward slope. Flap gate and on waterward side. (Permit No. 9387 - O Originally included in O+M manual (195 FS Date: 10/11/2012	complete pipe throu in 60-inch concrete Christenso	S. Flap ly. gh the n pipe headwall	39.056847 ° 3.122.003288 ° -12.		24
				מין אאים :חו אאים MK_MA001	∠_U1_f _ 2013_24	.4

\* Location LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

Bank Unit Miles Inspection Inspector

#### **Flood Control Project Maintenance Levee Inspections**

### Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

			Wa	aterwa	ay		Bank	Unit Miles	Inspection Start/End	Inspecto	or
			Unit No. 01	1 Col	lusa	a Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey	
Levee	e Mile End	Category	Item	Location *	Rating	Action/Comment			GPS Latitude/L	.origitude	ssue No. Photo
15 2.02	2.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15921 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled v soil.7/16/2013 LS inlet is completely fille Needs to be cleaned out. FIELD_STRUCT_DESC: 24-inch CM dra levee, 13.0 feet below crown. Flap gate, headwall and grouted cobble spillway or side. Concrete headwall on landward sid 9391 Christenson). Originally included in (1959). FS Date: 7/17/2013 8:19:41 AM	ed with so ain pipe to concrete the wate de. (Perm	oil. hrough e erward uit No.	39.059773 ° 33.122.004391 ° -122	2.004391°	25
16 2.02	2.02	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15922 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled v soil.7/16/2013 LS inlet is completely fille Needs to be cleaned out. FIELD_STRUCT_DESC: 24-inch CM dra levee, 13.0 feet below crown. Flap gate, headwall and grouted cobble spillway on side. Concrete headwall on landward sic 9391 Christenson). Originally included in (1959). FS Date: 7/17/2013 8:21:49 AM	ed with se ain pipe to concrete the wate de. (Perm	oil. hrough e erward uit No.		9.059773 ° 2.004391 °	26 Y
17 2.02	2.02	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7336 EP_NO: 9391 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Inlet is partially filled v FIELD_STRUCT_DESC: 24-inch CM dra levee, 13.0 feet below crown. Flap gate, headwall and grouted cobble spillway or side. Concrete headwall on landward sid 9391 Christenson). Originally included in (1959). FS Date: 10/11/2012	ain pipe t concrete the wate le. (Perm	hrough e erward iit No.	39.059773 ° 39.122.004391 ° -122		
<sup>18</sup> 2.22	2.22	Earthen Levee	Animal Control	LS	M Ma	A3 : No rodents visible, but rodent burro backfill and compact or grout burrows.	ws visible		39.062465 ° 39.062465 ° 39.005479 ° -122.005479 ° -122.008	2.005479 °	52 Y

Location	
LS : Land Side	
WS : Water Side	
CR : Crown	

<sup>19</sup> 2.65 3.76 Earthen

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

Encroachments LS M DT: Ditch

+ Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

39.067343 ° 39.081684 °

-122.009611 ° -122.016243 ° DWR ID: DWR\_MA0012\_01\_s \_ 2012\_1

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

	Waterway		Bank	Unit Miles	Inspection Start/End	Inspector
Unit No	. 01 Colusa Drain		Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee Mile Start End Category Item	Rating  ** +  Location	Action/Comment			GPS Latitude/L	ongitude Issue No. End Photo
20 3.78 3.78 Supplemental DWR UCIP Field Study	En EP_NO: 93 Repair Typ Crossing S UCIP Com in closed p candidate dry.7/16/20 definately owner to re season. FIELD_ST levee, 28.0 pipe riser c the waterw ditch to lar 9388 Walls (1959).	Comments: FS_ID:15925 388 be: Non-Urgent Status: Found Iments: Slide gate inoperable, position. Flap gate held in ope for video inspection when, if e D13 Water flowing through pip not closed. Was told NOV's h eplace stem. Flap gate gets c IRUCT_DESC: 48-inch CM pip D feet below the crown. Slide g on the waterward slope. Concr vard side. Grouted cobble spilling ge canal on the landward side ace) Originally included in the	n position ver, he so screave beer losed for the through the the add way from the the add way from the the add way from the the add	ears to be n. Good ew gate n sent for flood h the i-inch wall on drain No.	39.081949 ° 39.122.016179 ° -122	
21 3.78 3.78 Supplemental DWR UCIP Field Study	En EP_NO: 93 Repair Typ Crossing S UCIP Com in closed p candidate FIELD_ST levee, 28.0 pipe riser c the waterw ditch to lar	be: Non-Urgent Status: Found Imments: Slide gate inoperable, position. Flap gate held in ope for video inspection when, if e RUCT_DESC: 48-inch CM pip of feet below the crown. Slide gon the waterward slope. Concrurard side. Grouted cobble spillinge canal on the landward side ace) Originally included in the	n position ver, dry. be through ate in 66 rete head way from the (Permit	ears to be n. Good h the -inch wall on drain No.	39.081949 ° 39.122.016179 ° -122	
22 4.33 4.33 Supplemental DWR UCIP Field Study	En EP_NO: N Repair Typ Crossing S UCIP Com crossing.7. FIELD_ST 4.5 feet be bank. Sipl	Comments: FS_ID:15930  //A  be: Non-Urgent Status: Found Iments: No permit identified fo /16/2013 Same as last inspect RUCT_DESC: 24-inch steel p elow crown. Pump in pump ho hon breaker valve installed on //17/2013 8:29:45 AM	ction. ipe thoug use on w	gh levee, aterward	39.089666 ° 39. 122.015248 ° -122	3.089666 ° 30 2.015248 ° Y
					DWR ID: DWR_MA001	2_01_f _ 2013_30

+ Issue Type
Ma : Mainter

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

				Wat	terwa	ау		Bank	Unit Miles	Inspection Start/End	Inspec	tor
				Unit No. 01	Со	lusa	Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffe	
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment			GPS Latitude/	Longitude End	Issue No. Photo
23	4.33	4.33	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:9001 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No permit identified for FIELD_STRUCT_DESC: 24-inch steel p 4.5 feet below crown. Pump in pump ho bank. Siphon breaker valve installed on FS Date: 10/11/2012	ipe thoug use on w	ssing. gh levee, vaterward	39.089666 ° : 122.015248 ° -1:		31
24	4.82	4.82	Earthen Levee	Encroachments	LS	C En	FE : Fence Inspector Comments: Gate needs repair		-	39.096714 ° ; 122.015568 ° -12	39.096714 ° 22.015568 °	6
25	4.83	4.88	Earthen Levee	Encroachments	LS	M En	DT : Ditch		-	39.096839 ° ; 122.015568 ° -1; DWR ID: DWR_MA00		
26	4.87	4.87	Supplemental	DWR UCIP Field Study	LS	UEn	Inspector Comments: FS_ID:10583 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken on V significant rust at outlet. This is a good v video inspection. FIELD_STRUCT_DESC: 36-inch corrug pipe though the levee, 20.0 feet below t on metal pier in LS channel. 40-inch ste LS toe. Flap gate and concrete headwal waterward side. Concrete headwall on side. (Permit No. 9390 Profpe). Origin the O+M manual (1959). FS Date: 3/30/2013 6:06:41 PM	candidate ated meta ne crown. eel standp Il on the the land	shows e for al drain Pump pipe at ward	39.097378° : 122.015560° -1:	22.015560°	Y
27	4.87	4.87	Supplemental	DWR UCIP Field Study	LS		Inspector Comments: FS_ID:7328 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken on V significant rust at outlet. This is a good video inspection. FIELD_STRUCT_DESC: 36-inch corrug pipe though the levee, 20.0 feet below tr on metal pier in LS channel. 40-inch ste LS toe. Flap gate and concrete headwal waterward side. Concrete headwall on side. (Permit No. 9390 Profpe). Origin the O+M manual (1959). FS Date: 10/11/2012	candidate ated meta ne crown. eel standp Il on the the land	shows for al drain Pump pipe at	DWR ID: DWR_MA00  39.097378 ° : 122.015560 ° -1:	89.097378° 22.015560°	33

\* Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

,	Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No.	01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee Mile Start End Category Item	* * * * * * * * * * * * * * * * * * *	ıt		GPS Latitude/I	Longitude Issue No.  End Photo
28 4.87 4.87 Supplemental DWR UCIP Field Study	LS U Inspector Comments: FS_ID:10584 En EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Flap gate broken o significant rust at outlet. This is a god video inspection. FIELD_STRUCT_DESC: 36-inch com pipe though the levee, 20.0 feet below on metal pier in LS channel. 40-inch LS toe. Flap gate and concrete head waterward side. Concrete headwall side. (Permit No. 9390 Profpe). Or the O+M manual (1959). FS Date: 3/29/2013 6:08:55 PM	od candidate ugated met v the crown steel stand wall on the on the land	e shows e for al drain . Pump pipe at ward	39.097378° 3 -122.015560° -12	
29 5.12 5.12 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:15932  En EP_NO: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is clogged at I outlet. Good candidate for video insp Same as last inspection. FIELD_STRUCT_DESC: 48-inch CM 15 feet below the crown. Concrete he ends with an automatic drainage gate FS Date: 7/17/2013 8:32:43 AM	ection.7/16 pipe approa eadwalls on	et and /2013 ximately both		9.100898° 35 2.016078°
30 5.12 5.12 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7326  En EP_NO: 0 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pipe is clogged at I outlet. Good candidate for video insp FIELD_STRUCT_DESC: 48-inch CM 15 feet below the crown. Concrete he ends with an automatic drainage gate FS Date: 10/11/2012	ection. pipe appro eadwalls on	et and ximately both		9.100898 ° 36 2.016078 ° Y
31 5.30 5.30 Earthen Animal Control	DI LS A/W A1 : Exterminate rodents and backfill Ma grout burrows.	and compa			9.103490 ° 206 2.016340 ° Y
32 5.77 5.77 Earthen Animal Control Levee	ol LS C A3 : No rodents visible, but rodent bu Ma backfill and compact or grout burrows				9.109189 ° 8 2.017139 °
33 5.82 5.82 Earthen Animal Contro Levee	DI LS C A3 : No rodents visible, but rodent bu Ma backfill and compact or grout burrows			39.110742 ° 3 -122.017342 ° -12 DWR ID: DWR_MA00	2.017342 °

* Location	
LS : Land Side	
WS : Water Side	

\*\* Rating
A : Acceptable

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+ Issue Type Ma : Mainter

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Wa	aterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01	Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee Mile Start End Category Item	Control Rain Action/Comment			GPS Latitude/I	Longitude Issue No. End Photo
34 6.12 6.12 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:15936 En EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leakage around p Same as last inspection. FIELD_STRUCT_DESC: 1 of 2: 20-inc Stormdrain pipe through levee, 4.4 feel Cobble revetted sump on waterward sic in 24-inch metal pipe risers on waterward house at toe of landward slope. (Perm 1984). Replaced 18-inch pipe at same FS Date: 7/17/2013 8:34:30 AM	th soilproo below cro de. Siphor rd shoulde it No. 1369	/2013 ofed steel own. o breaker er. Pump	39.114949 ° 3.122.017946 ° -12	
35 6.12 6.12 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:9002 En EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leakage around p FIELD_STRUCT_DESC: 1 of 2: 20-inc Stormdrain pipe through levee, 4.4 feet Cobble revetted sump on waterward sic in 24-inch metal pipe risers on waterward house at toe of landward slope. (Perm 1984). Replaced 18-inch pipe at same FS Date: 10/11/2012	th soilproo below cro de. Siphor rd shoulde it No. 1369	ofed steel own. o breaker er. Pump	39.114949 ° 3.122.017946 ° -12	
36 6.12 6.12 Supplemental DWR UCIP Field Study	LS M Inspector Comments: FS_ID:7321  En EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leaks aroun pumphouse. FIELD_STRUCT_DESC: 1 of 3: 24-inc levee, 4.4 feet below crown. Cobble rev waterward side. Siphon breaker in 24-in risers on waterward shoulder. Pump ho landward slope. (Permit No. 9390 - Pro included in O+M manual (1959). FS Date: 10/11/2012	n pipe throvetted sum nich metal	ough np on pipe e of	.122.017946° -12	
				DWR ID: DWR_MA00	12_01_f _ 2013_39

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

I WOIIIO & Waiiiaii

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
	Unit No. 01	Colusa	n Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee Mile Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	No.
37 6.12 6.12 Supplemental [	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15937 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leaks at pump her Same as last inspection. FIELD_STRUCT_DESC: 2 of 2: 20-inc Stormdrain pipe through levee, 4.4 feet Cobble revetted sump on waterward sid in 24-inch metal pipe risers on waterward house at toe of landward slope. (Permi 1984). Replaced 18-inch pipe at same FS Date: 7/17/2013 8:35:11 AM	h soilproo below cro e. Siphor d should t No. 136	013 ofed steel own. o breaker er. Pump	Start  39.114963 ° 39122.017947 ° -122	.114963 ° 40 .017947 °
38 6.12 6.12 Supplemental [	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:9003 EP_NO: 13699 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Oil leaks at pump her FIELD_STRUCT_DESC: 2 of 2: 20-inc Stormdrain pipe through levee, 4.4 feet Cobble revetted sump on waterward sid in 24-inch metal pipe risers on waterward house at toe of landward slope. (Permi 1984). Replaced 18-inch pipe at same FS Date: 10/11/2012	h soilproo below cro e. Siphor d should t No. 136	ofed steel own. n breaker er. Pump	-122.017947 ° -122	
<sup>39</sup> 6.12 6.12 Supplemental [	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7322 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leakage aro FIELD_STRUCT_DESC: 2 of 3: 20-inch levee, 4.4 feet below crown. Cobble rev waterward side. Siphon breaker in 16-in risers on waterward shoulder. Pump ho landward slope. (Permit No. 9390 - Prof included in O+M manual (1959). FS Date: 10/11/2012	pipe through the period of the	os. ough np on pipe e of	DWR ID: DWR_MA001: 39.114963 ° 39. -122.017947 ° -122	.114963 ° 42
						DWR ID: DWR_MA001:	2_01_f _ 2013_42
40 6.12 6.12 Supplemental [	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:7320 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leakage aro FIELD_STRUCT_DESC: 2 of 3: 20-inch levee, 4.4 feet below crown. Cobble rev waterward side. Siphon breaker in 16-in risers on waterward shoulder. Pump ho landward slope. (Permit No. 9390 - Prof included in O+M manual (1959). FS Date: 10/11/2012	pipe throetted sum ch metal use at toe	os. ough np on pipe e of	39.114963° 39 -122.017947° -122	.114963° 43 .017947°
						DWR ID: DWR_MA001:	2_01_f _ 2013_43
WS : Water Side M	: Acceptable : Minimally Acceptable : Unacceptable	C : 0	Not Inspected/Rated Ma : Maintenan Ob : Design & S Acceptable but Monitor & Maintain En : Enforceme	ystem Obso			Page 10 of 20

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

				Offic 140. 01	001	usc	Dialii		09/24/2013	Duffe	У
LMR No.	Levee	Mile End	Category	Item	Location	Rating	Action/Comment		GPS Latitude/L	ongitude End	Issue No. Photo
41	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6843 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leak on pump. FIELD_STRUCT_DESC: 3 of 3: 18-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump o waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 10/11/2012 2:02:33 PM	n n e	39.114977 ° 3 -122.017947 ° -12		44
42	6.12	6.12	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:15940 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Minor oil leak on pump.7/16/2013 Same as last inspection. FIELD_STRUCT_DESC: 3 of 3: 18-inch pipe through levee, 4.4 feet below crown. Cobble revetted sump o waterward side. Siphon breaker in 16-inch metal pipe risers on waterward shoulder. Pump house at toe of landward slope. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 7/17/2013 8:36:59 AM	n In Ə	39.114977° 3122.017947° -12.		45
43	7.67	7.67	Earthen Levee	Erosion / Bank Caving	LS	C Ma	E2 : Schedule repair of erosion site prior to the next inspection.		39.135976 ° 3 -122.022817 ° -12 DWR ID: DWR_MA001		9
44	7.75	7.75	Supplemental	DWR UCIP Field Study	LS	M En	Inspector Comments: FS_ID:6842 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent burrowing along sides of p on LS. FIELD_STRUCT_DESC: 24-inch steel pipe through I 3.0 feet below crown. Both ends capped, terminating levee slopes. (Permit No. 9390 - Profpe) Originally included in O+M manual (1959). FS Date: 10/11/2012 1:59:43 PM	ipe levee,	39.137187° 3 -122.022793° -12	2.022793°	

\* Location
LS: Land Side
WS: Water Side
CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma Mainter

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

			Wa	terway		Bank	Unit Miles	Inspection Start/End	Inspector
			Unit No. 01	Colusa	Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey
Levee	Mile End	Category	Item	Rating ** + Location	Action/Comment			GPS Latitude/L	Longitude Issue No.  End Photo
45 7.75	7.75	Supplemental	DWR UCIP Field Study	LS M En	Inspector Comments: FS_ID:15941 EP_NO: 9390 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Rodent burrowing alor on LS.7/16/2013 Same as last inspectic FIELD_STRUCT_DESC: 24-inch steel p 3.0 feet below crown. Both ends capped levee slopes. (Permit No. 9390 - Profpe) included in O+M manual (1959). FS Date: 7/17/2013 8:37:34 AM	on. ipe throu , termina	of pipe gh levee, ting on	39.137187 ° 3 -122.022793 ° -12	
46 8.82	8.82	Earthen Levee	Animal Control	WSA/W Ma	A3 : No rodents visible, but rodent burro backfill and compact or grout burrows.	ws visible		39.152245 ° 3 -122.021782 ° -12 DWR ID: DWR_MA001	
47 8.92	8.92	Earthen Levee	Animal Control	WSA/W Ma	A3 : No rodents visible, but rodent burro backfill and compact or grout burrows.	ws visible		39.153702 ° 3 -122.021773 ° -12 DWR ID: DWR_MA001	
48 9.02	9.02	Supplemental	USACE Erosion Survey		Inspector Comments: 2011 - Erosion oc and downstream of an irrigation diversio Site is part of the extended inventory, las [2012 Site ID: SYC_9-3_L]	n structu	re. 2012:	39.158226° 3 -122.021950°-12	9.157957° 7 2.021950°
49 9.03	9.03	Earthen Levee	Animal Control	WS M	A3 : No rodents visible, but rodent burro backfill and compact or grout burrows.	ws visible		39.155207 ° 3 -122.021769 ° -12 DWR ID: DWR_MA001	
50 9.23	9.23	Supplemental	DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:15943 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete Headwall tilt slope.7/16/2013 Same as last inspectio FIELD_STRUCT_DESC: 36-inch CM dra the levee, 15.0 feet below crown. Concre slide gate and grouted revetment on wat gate and Concrete headwall on landware 9390 - Profpe). Originally included in O-FS Date: 7/17/2013 8:38:44 AM	n. ain pipe t ete head erward s d side. (P	'S hrough wall, ide. Slide 'ermit No.	39.158097° 3 -122.021706° -12	9.158097° 48 2.021706°
								DWR ID: DWR_MA001	2_01_f _ 2013_48
51 9.23	9.23	Supplemental	DWR UCIP Field Study	WS U En	Inspector Comments: FS_ID:6838 EP_NO: 9390 Repair Type: Urgent Crossing Status: Found UCIP Comments: Concrete Headwall tilt FIELD_STRUCT_DESC: 36-inch CM dra the levee, 15.0 feet below crown. Concret slide gate and grouted revetment on wat gate and Concrete headwall on landware 9390 - Profpe). Originally included in O- FS Date: 10/11/2012 1:29:25 PM	ain pipe tete head erward serward serward serward	'S slope. hrough wall, ide. Slide ermit No.	39.158097 ° 3 -122.021706 ° -12 DWR ID: DWR_MA00:	

### Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

	Waterway						Unit Miles	Inspection Start/End	Inspec	ctor
	Unit No. 01 Colusa Drain				Left	11.31	09/24/2013 09/24/2013		-	
돌 Lev	Levee Mile Category Item Category Action/Comment						GPS Latitud	e/Longitude	Issue No.	
Star Star	Start End Category Item		ating * + :ation	Action/Comment			Start	End	Photo	
<sup>52</sup> 10.3	1 10.31	Earthen	Animal Control	LS C	A3 : No rodents visible, but rodent burro	39.173370°	39.173370°	10		

		DWR ID: DWR_MA0012_01_s _ 2012_10
53 10.72 10.72 Earthen Levee Slope Stability	LS M S3 : Repair the levee slope damaged by vehicle traffic and may prevent access where possible.	39.173971 ° 39.173971 ° 11 -122.014362 ° -122.014362 ° Y
		DWR ID: DWR_MA0012_01_f _ 2013_11
<sup>54</sup> 11.16 11.16 Supplemental DWR UCIP	LS M Inspector Comments: FS ID:6834	39.180039 ° 39.180039 ° <sup>50</sup>

Ma backfill and compact or grout burrows.

Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pipe plugged with soil on both ends as
well as at slide gate on WS slope. Slide gate inoperable.
FIELD_STRUCT_DESC: 24-inch Corrugated metal
drainpipe through the levee, 8.0 feet below the crown.
Slide gate in 36-inch pipe riser on the waterward shoulder.
(Permit No. 9386 - Wescott) Levee turns eastward.

En EP\_NO: 9386

DWR ID: DWR MA0012 01 f 2013 50

39.180039 ° 39.180039 ° 51 -122.014266 ° -122.014266 ° Y

-122.021357 ° -122.021357 °

-122.014266 ° -122.014266 °

55 11.16 11.16 Supplemental DWR UCIP Field Study

Levee

Field Study

LS M Inspector Comments: FS\_ID:15947

En EP\_NO: 9386

Repair Type: Non-Urgent

Crossing Status: Found

FS Date: 10/11/2012 1:12:12 PM

UCIP Comments: Pipe plugged with soil on both ends as well as at slide gate on WS slope. Slide gate inoperable.7/16/2013 Same as last inspection.
FIELD\_STRUCT\_DESC: 24-inch Corrugated metal drainpipe through the levee, 8.0 feet below the crown.
Slide gate in 36-inch pipe riser on the waterward shoulder. (Permit No. 9386 - Wescott) Levee turns eastward.
FS Date: 7/17/2013 8:40:54 AM

DWR ID: DWR\_MA0012\_01\_f \_ 2013\_51

\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

## Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	5	
Start Levee Mile	-	
	· · · ·	
End Levee Mile	0.24	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
36-inch concrete riser on LS toe.		
UCIP_8891.jpg		

8
0.50
0.50
Land Side
Supplemental
DWR UCIP Field Study

Outlet at WS toe.

UCIP_	_8893.jpg

10
1.73
1.73
Land Side
Supplemental
DWR UCIP Field Study







\* Location LS : Land Side WS : Water Side CR : Crown

UCIP\_8897.jpg

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

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#### Flood Control Project Maintenance Levee Inspections

## Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	12	
Start Levee Mile	1.81	
End Levee Mile	1.81	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
60-inch standpipe with slide gate on WS slope with outlet in background.		
UCIP_8901.jpg		

Levee Mile Report Line	16
Start Levee Mile	2.02
End Levee Mile	2.02
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
LS view of inlet.	

UCIP	_8908.jpg

Levee Mile Report Line	18	
Start Levee Mile	2.22	
End Levee Mile	2.22	
Location	Land Side	
Category	Earthen Levee	
Item	Animal Control	
View of the rodent along the slope of the levee.		

rduffey\_f\_20131021\_088.JPG







A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	20
Start Levee Mile	3.78
End Levee Mile	3.78
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Drainage ditch on LS toe.	

UCIP\_8912.jpg

Levee Mile Report Line	22
Start Levee Mile	4.33
End Levee Mile	4.33
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study

Pumping plant on WS toe.

UCIP\_8918.jpg

Levee Mile Report Line	26	
Start Levee Mile	4.87	
End Levee Mile	4.87	
Location	Land Side	
Category	Supplemental	
Item	DWR UCIP Field Study	
Pump, walkway, and standpipe on LS toe.		

UCIP\_6094.jpg







\* Location

LS: Land Side

WS: Water Side

CR: Crown

~ Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	30
Start Levee Mile	5.12
End Levee Mile	5.12
Location	Land Side
Category	Supplemental
Item	DWR UCIP Field Study
Outlet on WS toe.	

UCIP\_3095.jpg

Levee Mile Report Line	31
Start Levee Mile	5.30
End Levee Mile	5.30
Location	Land Side
Category	Earthen Levee
Item	Animal Control

View of the levee slope with no rodent activity.

rduffey\_f\_20130919\_797.JPG

35
6.12
6.12
Land Side
Supplemental
DWR UCIP Field Study

Pumping plant on LS slope

UCIP\_5031.jpg







\* Location LS : Land Side WS : Water Side CR : Crown \*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

## Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	45
Start Levee Mile	7.75
End Levee Mile	7.75
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study
Pipe on LS.	
UCIP_8936.jpg	

46
8.82
8.82
Water Side
Earthen Levee
Animal Control

View of the rodent hole along the slope of the levee.

rduffey\_f\_20131021\_089.JPG

Levee Mile Report Line	47	
Start Levee Mile	8.92	
End Levee Mile	8.92	
Location	Water Side	
Category	Earthen Levee	
Item	Animal Control	
View of the rodent holes along the slope of the		

View of the rodent holes along the slope of the levee.

rduffey\_f\_20131021\_090.JPG







\* Location

LS: Land Side

WS: Water Side

CR: Crown

\*\* Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Mainter

## Levee Inspection Report By Mile - Fall 2013

## **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	49			
Start Levee Mile	9.03			
End Levee Mile	9.03			
Location	Water Side			
Category	Earthen Levee			
Item Animal Control				
View of the rodnet hole along the toe of the levee.				

rduffey\_f\_20131021\_091.JPG

Levee Mile Report Line	51
Start Levee Mile	9.23
End Levee Mile	9.23
Location	Water Side
Category	Supplemental
Item	DWR UCIP Field Study

slide gate and headwall on LS toe.

UCIP\_2968.jpg

Levee Mile Report Line	53	
Start Levee Mile	10.72	
End Levee Mile	10.72	
Location	Land Side	
Category	Earthen Levee	
Item	Slope Stability	
View of the slope vehicle erosion.		







Location LS: Land Side WS : Water Side CR : Crown

rduffey\_f\_20131021\_097.JPG

Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monit : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

### Levee Inspection Report By Mile - Fall 2013

# **Sutter Maintenance Yard Maintenance Area 0012**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Colusa Drain	Left	11.31	09/24/2013 09/24/2013	Bob Duffey

Levee Mile Report Line	55		
Start Levee Mile	11.16		
End Levee Mile	11.16		
Location	Land Side		
Category	Supplemental		
Item	DWR UCIP Field Study		
cover on 36-inch CMP standpipe on WS slope.			
UCIP_8944.jpg			

